IN THE CLAIMS

        Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

1    1.      (currently amended) A device for processing content data, the device comprises:

2        data processing circuitry operably coupled to process data received from an external content

3    display device, wherein the data processing circuitry produces ~~to produce~~ presentation information from

4    the received data;

5        content processing module operably coupled to process content data ~~for presentation on the~~

6    ~~external content display device~~ based on the presentation information for presentation on the external

7    content display device;  and

8        transceiving module operably coupled to the data processing circuitry and the content processing

9    module, wherein the transceiving module separates modulated data from the content data~~, wherein the~~

10   ~~transceiving module~~ and retrieves the received data from the modulated data of the external content

11   display device, and wherein the transceiving module introduces the content data into a channel coupling

12   the device to the external content display device.

1    2.      (original) The device of claim 1, wherein the content data comprises at least one of: audio data,

2    video data, text data, and multimedia data.

1    3.      (original) The device of claim 1, wherein the data comprises at least one of: digitized audio,

2    digitized video, and incoming remote control data.

1    4.      (original) The device of claim 3, wherein the remote control data comprises at least one of:

2    volume adjust data, stop data, play data, pause data, rewind data, fast forward data, next track data,

3    channel up/down data, bass boost data, record data, intensity data, contrast data, security access data, and

4    telephone access code data.

1    5.    (original) The device of claim 3, wherein the data processing circuitry comprises:

2          parsing module operably coupled to receive the data, wherein the parsing module separates the

3    data into the remote control data and the digitized audio;

4          remote control circuitry for process the remote control data to produce content presentation

5    information, wherein the remote control circuitry provides the content presentation information to the

6    content processing module, and wherein the content processing module processes the content data based

7    on the content presentation information; and

8          signal processing module operably coupled to process the digitized audio, wherein the digitized

9    audio is representative of audio signals received via a microphone of the external content display device.

1    6.    (original) The device of claim 1, wherein the transceiving module comprises:

2          high pass filter to separate the content data from the modulated data;

3          gain module operably coupled to provide gain to the modulated data to produce gained modulated

4    data;  and

5          data extraction circuit operably coupled to retrieve the data from the gain modulated data.

1    7.    (original) The device of claim 6, wherein the data extraction circuit comprises:

2          demodulator operably coupled to receive the gain modulated data and to produce therefrom

3    demodulated data;

4          quantizer operably coupled to receive the demodulated data and to produce therefrom quantized

5    data;  and

6          digital filter operably coupled to receive the quantized data and produce therefrom the data.

1    8.    (original) The device of claim 6, wherein the data extraction circuit comprises:

2          clock recovery circuit operably coupled to generate a clock signal from the gain modulated data;

3          a correlator operably coupled to receive the clock signal, wherein the correlator detect patterns of

4    the data contained within the modulated data to produce correlated data;  and

5          phase comparator operably coupled to receive the correlated data and to produce therefrom the

6    data.

1    9.    (original) The device of claim 1, wherein the data processing circuitry further comprises:

2          display information module operably coupled to provide outgoing display data to the transceiving

3    module.

1    10.    (original) The device of claim 9, wherein the transceiving module further comprises:

2           data modulator operably coupled to modulate the outgoing display data to produce modulated

3    outgoing display data;  and

4           combining circuit operably coupled to combine the content data and the modulated display data to

5    produce transmit data that is provided to the external content display device.

1    11.    (original) The device of claim 10, wherein the data modulator comprises:

2           pseudo random code generator operably coupled to produce a random code;  and

3           modulator operably coupled to receive the random code and the outgoing display data to produce

4    the modulated display data.

1    12.    (original) The device of claim 10, wherein the combining circuit comprises:

2           high pass filter operably coupled to the channel, wherein the high pass filter filters the modulated

3    display data to produce filtered data, wherein the filtered data is provided on the channel;  and

4           high frequency isolation module operably coupled to the channel, wherein the high frequency

5    isolation module substantially attenuates the filtered data and passes the content data substantially

6    untenanted such that the content data is isolated from the modulated display data.

1    13.    (original) The device of claim 1 further comprises:

2           an external content display device detection module operably coupled to detect capabilities of the

3    external content display device in preparing the data.

1    14.    (original) A device for processing content data, the device comprises:

2           data processing circuitry operably coupled to provide display data to an external content display

3    device;

4           content processing module operably coupled to process content data for presentation on the

5    external content display device;  and

6           transceiving module operably coupled to the data processing circuitry and the content processing

7    module, wherein the transceiving module combines the display data and the content data to produce

8    transmit data, wherein the transceiving module provides the transmit data to the external content display

9    device via a channel coupling the device to the external content display device.

1    15.    (original) The device of claim 14, wherein the transceiving module further comprises:

2           data modulator operably coupled to modulate the display data to produce modulated display data;

3    and

4           combining circuit operably coupled to combine the content data and the outgoing display data to

5    produce the transmit data.


1    16.    (original) The device of claim 15, wherein the data modulator comprises:

2           pseudo random code generator operably coupled to produce a random code;  and

3           modulator operably coupled to receive the random code and the display data to produce the

4    modulated display data.


1    17.    (original) The device of claim 15, wherein the combining circuit comprises:

2           high pass filter operably coupled to the channel, wherein the high pass filter filters the modulated

3    display data to produce filtered data, wherein the filtered data is provided on the channel;  and

4           high frequency isolation module operably coupled to the channel, wherein the high frequency

5    isolation module substantially attenuates the filtered data and passes the content data substantially

6    untenanted such that the content data is isolated from the transmit modulated data.


1    18.    (original) The device of claim 14 further comprises:

2           an external content display device detection module operably coupled to detect capabilities of the

3    external content display device in preparing the data.


1    19.    (currently amended) A method for processing content data, the method comprises the steps of:

2           receiving modulated data via a channel coupled to an external content display device;

3           introducing the content data into the channel coupling the device to the external content display

4    device;

5           separating the modulated data from the content data;

6           retrieving data from the modulated data;

7           processing the retrieved data to produce presentation information; and

8           processing ~~content data~~ the content data for presentation on the external content display device

9    based on the presentation information.

1    20.    (original) The method of claim 19, wherein the data comprises at least one of: digitized audio,

2    digitized video, and incoming remote control data, further comprises:

3          parsing the data into the remote control data and the digitized audio;

4          processing the remote control data to produce content presentation codes;

5          processing the content data based on the content presentation codes; and

6          processing the digitized audio, wherein the digitized audio is representative of audio signals

7    received via a microphone of the external content display device.

1    21.    (original) The method of claim 19, wherein the separating the modulated data from the content

2    data further comprises:

3          high pass filtering the channel to separate the content data from the modulated data;

4          providing gain to the modulated data to produce gained modulated data; and

5          extracting the data from the modulated data.

1    22.    (original) The method of claim 21, wherein the extracting the data further comprises:

2          demodulating the gain modulated data to produce demodulated data;

3          quantizing the demodulated data to produce quantized data; and

4          digital filtering the quantized data to produce the data.

1    23.    (original) The method of claim 21, wherein the extracting the data further comprises:

2          generating a clock signal from the modulated data;

3          detecting, at a rate of the clock signal, patterns of the data contained within the modulated data to

4    produce correlated data; and

5          phase comparing the correlated data to produce the data.

1    24.    (original) The method of claim 19 further comprises:

2          modulating display data to produce modulated display data; and

3          combining the content data and the modulated display data to produce transmit data that is

4    provided to the external content display device.

1    25.    (original) The method of claim 24, wherein the modulating the display data further comprises:

2          generating a pseudo random code; and

3          modulating the pseudo random code and the display data to produce the modulated display data.

1    26.    (original) The method of claim 24, wherein the modulating the display data further comprises:

2           high pass filtering the modulated display data to produce filtered data, wherein the filtered data is

3    provided on the channel;  and

4           high frequency isolating the content data from the modulated display data by substantially

5    attenuating the filtered data and passing the content data substantially untenanted.

1    27.    (original) The method of claim 19 further comprises:

2           detecting capabilities of the external content display device in preparing the data.

1    28.    (original) A method for processing content data, the method comprises the steps of:

2           providing display data to an external content display device;

3           processing content data for presentation on the external content display device;

4           modulating the display data to produce modulated display data;

5           combining the modulated display data and the content data to produce transmit data;  and

6           providing the transmit data to the external content display device via a channel coupling the

7    device to the external content display device.

1    29.    (original) The method of claim 28, wherein the combining the display data and the content data

2    further comprises:

3           modulating the display data at a rate that is substantially higher than the rate of the content data to

4    produce modulated display data.

1    30.    (original) The method of claim 29, wherein the modulating the display data further comprises:

2           producing a pseudo random code;  and

3           modulating the pseudo random code and the display data to produce the modulated display data.

1    31. (original) The method of claim 28, wherein the combining further comprises:

2           high pass filtering the modulated display data to produce filtered data, wherein the filtered data is

3    provided on the channel;  and

4           high frequency isolating the content data from the modulated display data by substantially

5    attenuating the filtered data and passing the content data substantially untenanted.

1    32.    (original) The method of claim 28 further comprises:

2           detecting capabilities of the external content display device in preparing the data.

1    33.    (original) A device for processing content data, the device comprises:

2           a processing module;  and

3           memory operably coupled to the processing module, wherein the memory includes operational

4    instructions that cause the processing module to:

5                  receive modulated data via a channel coupled to an external content display device;

6                  introduce the content data into the channel coupling the device to the external content

7           display device;

8                  separate the modulated data from the content data;

9                  retrieve data from the modulated data;

10                 process the data to produce processed data to produce presentation information; and

11                 process content data for presentation on the external content display device based on the

12          presentation information.


1    34.    (original) The device of claim 33, wherein the data includes at least one of: digitized audio,

2    digitized video, and incoming remote control data, wherein the memory further comprises operational

3    instructions that cause the processing module to:

4           parse the data into the remote control data and the digitized audio;

5           process the remote control data to produce content presentation codes;

6           process the content data based on the content presentation codes; and

7           process the digitized audio, wherein the digitized audio is representative of audio signals received

8    via a microphone of the external content display device.


1    35.    (original) The device of claim 33, wherein the memory further comprises operational instructions

2    that cause the processing module to separate the modulated data from the content data by:

3           high pass filtering the channel to separate the content data from the modulated data;

4           providing gain to the modulated data to produce gained modulated data;  and

5           extracting the data from the modulated data.


1    36.    (original) The device of claim 35, wherein the memory further comprises operational instructions

2    that cause the processing module to extract the data by:

3           demodulating the gain modulated data to produce demodulated data;

4           quantizing the demodulated data to produce quantized data;  and

5           digital filtering the quantized data to produce the data.

1　　37.　　(original) The device of claim 35, wherein the memory further comprises operational instructions

2　　that cause the processing module to extract the data by:

3　　　　　　generating a clock signal from the modulated data;

4　　　　　　detecting, at a rate of the clock signal, patterns of the data contained within the modulated data to

5　　produce correlated data;  and

6　　　　　　phase comparing the correlated data to produce the data.

1　　38.　　(original) The device of claim 33, wherein the memory further comprises operational instructions

2　　that cause the processing module to:

3　　　　　　modulate display data to produce modulated display data;  and

4　　　　　　combine the content data and the modulated display data to produce transmit data that is provided

5　　to the external content display device.

1　　39.　　(original) The device of claim 38, wherein the memory further comprises operational instructions

2　　that cause the processing module to modulate the display data by:

3　　　　　　generating a pseudo random code;  and

4　　　　　　modulating the pseudo random code and the display data to produce the modulated display data.

1　　40.　　(original) The device of claim 38, wherein the memory further comprises operational instructions

2　　that cause the processing module to modulate the display data by:

3　　　　　　high pass filtering the transmit modulated display data to produce filtered data, wherein the

4　　filtered data is provided on the channel;  and

5　　　　　　high frequency isolating the content data from the modulated display data by substantially

6　　attenuating the filtered data and passing the content data substantially untenanted.

1　　41.　　(original) The device of claim 33, wherein the memory further comprises operational instructions

2　　that cause the processing module to:

3　　　　　　detecting capabilities of the external content display device in preparing the data.

1    42.    (original) A device for processing content data, the device comprises:

2           a processing module;  and

3           memory operably coupled to the processing module, wherein the memory includes operational

4    instructions that cause the processing module to:

5                  provide display data to an external content display device;

6                  process content data for presentation on the external content display device;

7                  modulate the display data to produce modulated display data;

8                  combine the modulated display data and the content data to produce transmit data;  and

9                  provide the transmit data to the external content display device via a channel coupling the

10          device to the external content display device.

1    43.    (original) The device of claim 42, wherein the memory further comprises operational instructions

2    that cause the processing module to combine the display data and the content data by:

3           modulating the display data at a rate that is substantially higher than the rate of the content data to

4    produce modulated display data.

1    44.    (original) The device of claim 43, wherein the memory further comprises operational instructions

2    that cause the processing module to modulate the display data further comprises:

3           producing a pseudo random code;  and

4           modulating the pseudo random code and the display data to produce the modulated display data.

1    45.    (original) The device of claim 42, wherein the memory further comprises operational instructions

2    that cause the processing module to combine by:

3           high pass filtering the transmit modulated data to produce filtered data;

4           summing the filtered data and the content data to produce the transmit data;  and

5           high frequency isolating the content data from the transmit data.

1    46.    (original) The device of claim 42, wherein the memory further comprises operational instructions

2    that cause the processing module to:

3           detect capabilities of the external content display device in preparing the data.